

### **Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously presented) An isolated nucleic acid molecule encoding an olfactory receptor (ORX) polypeptide, wherein said molecule comprises a nucleotide sequence of SEQ ID NO:224 or a complement thereof.
2. (Currently Amended) The nucleic acid molecule of claim 1, wherein said molecule hybridizes under stringent hybridization conditions of 6X SSC at 65 °C to a nucleic acid sequence complementary to an ORX nucleic acid molecule comprising SEQ ID NO:224 or a complement thereof.
3. (Cancelled).
4. (Previously presented) The nucleic acid molecule of claim 1, wherein said molecule encodes an ORX polypeptide, or a complement thereof.
5. (Previously presented) An oligonucleotide of less than 100 nucleotides in length, which comprises at least 6 contiguous nucleotides of the ORX nucleic acid molecule of claim 1, or a complement thereof.
6. (Original) A vector comprising the nucleic acid molecule of claim 1.
7. (Original) The vector of claim 6, wherein said vector is an expression vector.
8. (Original) The vector of claim 6, further comprising a regulatory element operably linked to said nucleic acid molecule.
9. (Cancelled).

10. (Cancelled).

11. (Currently Amended) A method of producing the polypeptide of claim 1 3, said method comprising the step of culturing a host cell under conditions in which the nucleic acid molecule is expressed.

12-20. (Cancelled).